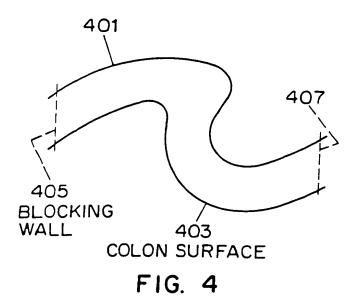


F16. 2



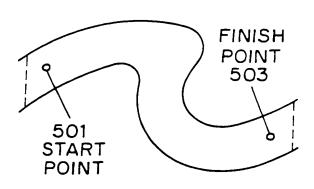


FIG. 5

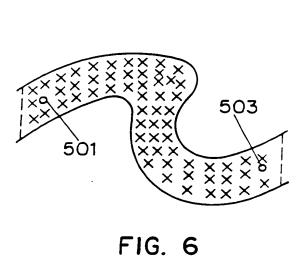


FIG. 6

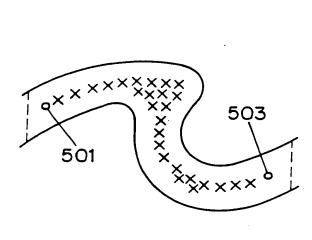


FIG. 7

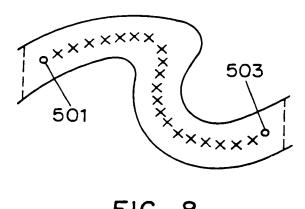


FIG. 8

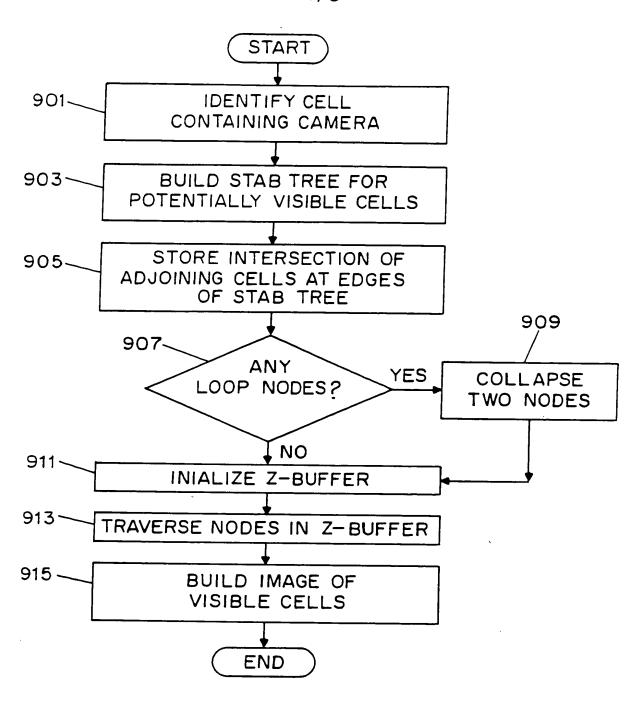


FIG. 9

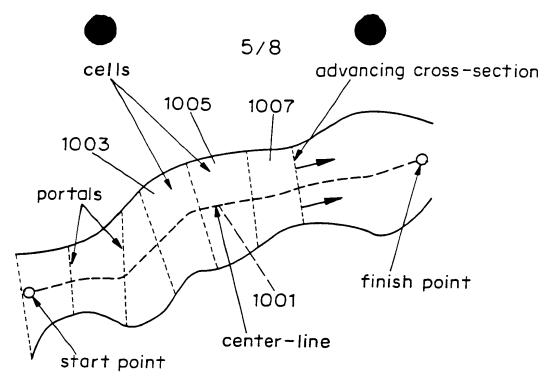


FIG. 10

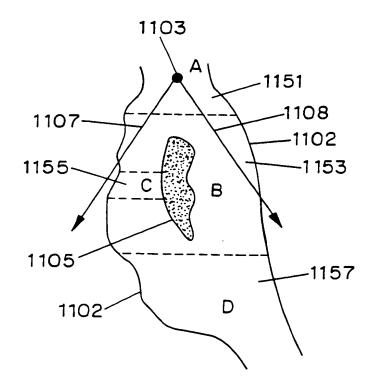


FIG. 11(a)

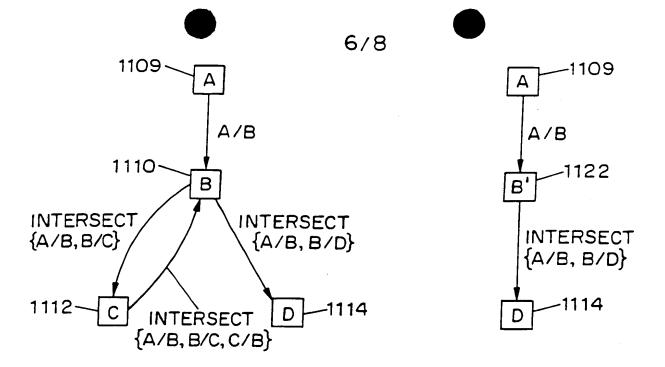


FIG. 11(b)

FIG. 11(c)

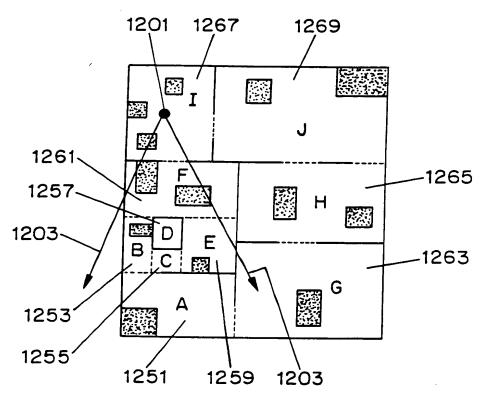
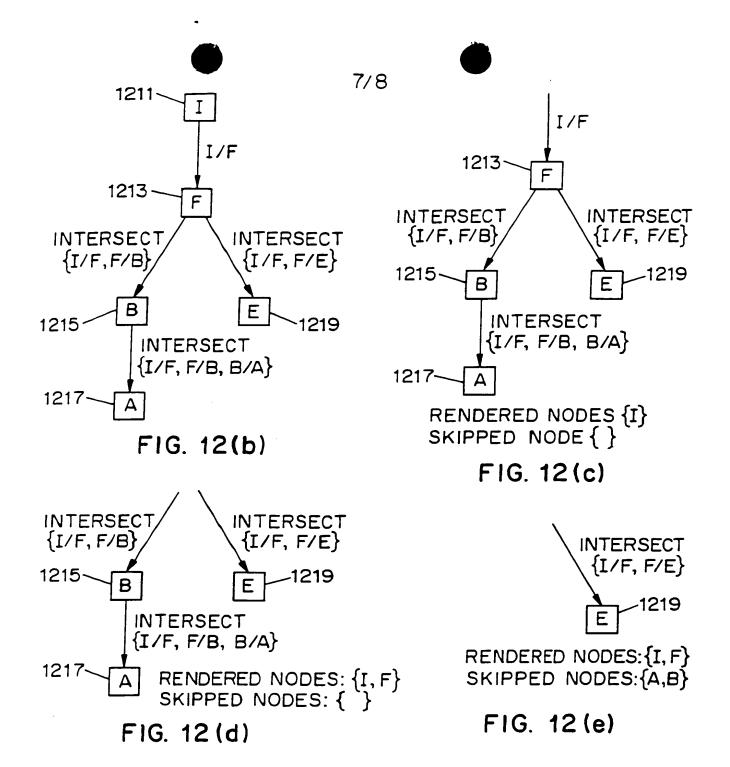


FIG. 12(a)



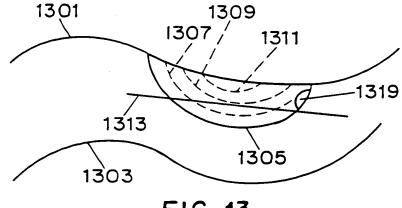


FIG. 13

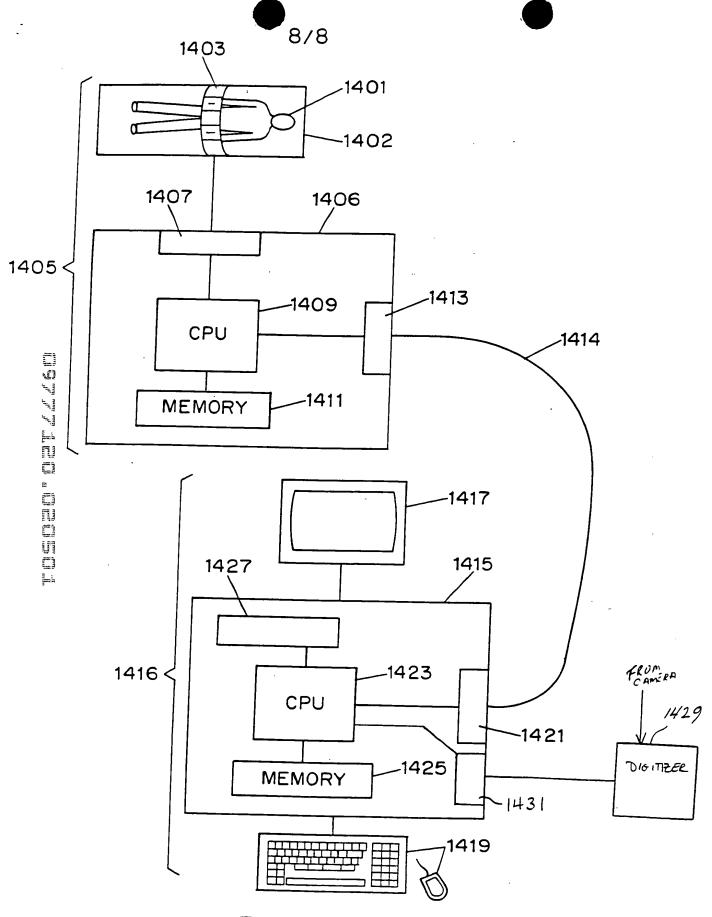


FIG. 14

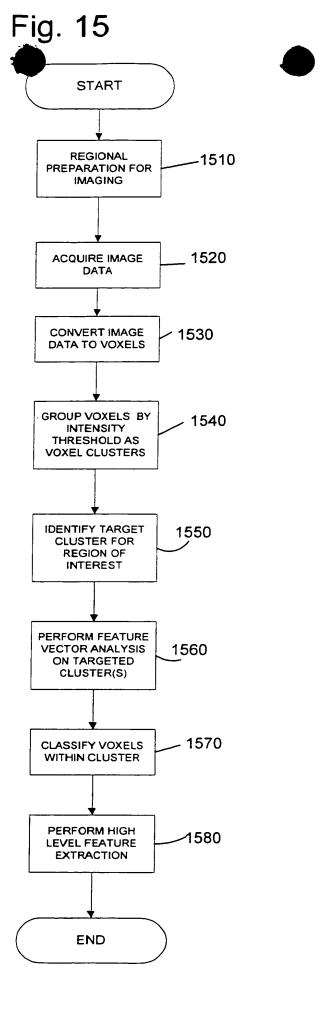


FIG. 16

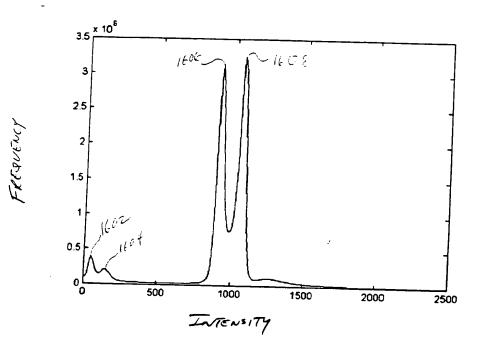
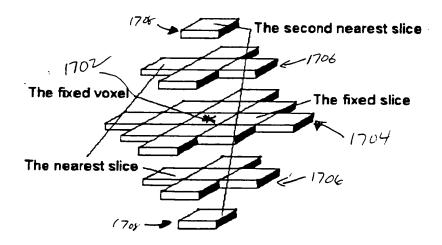


Fig. 17



Fr. 184

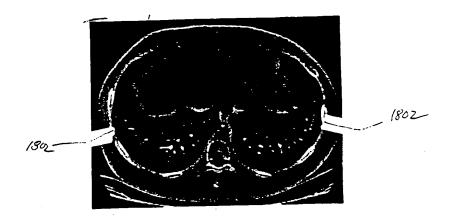
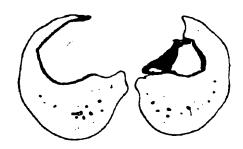


Fig 18B



Fio. 18C

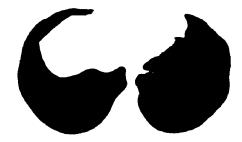


Fig 19A

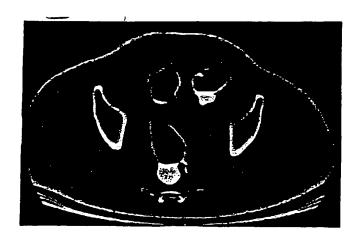
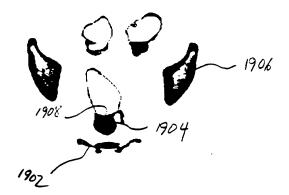
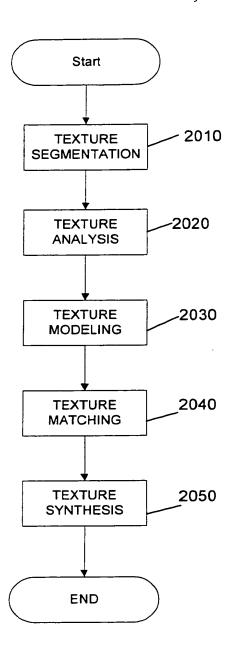


FIG. 19 B



F16 19C

Fig. 20



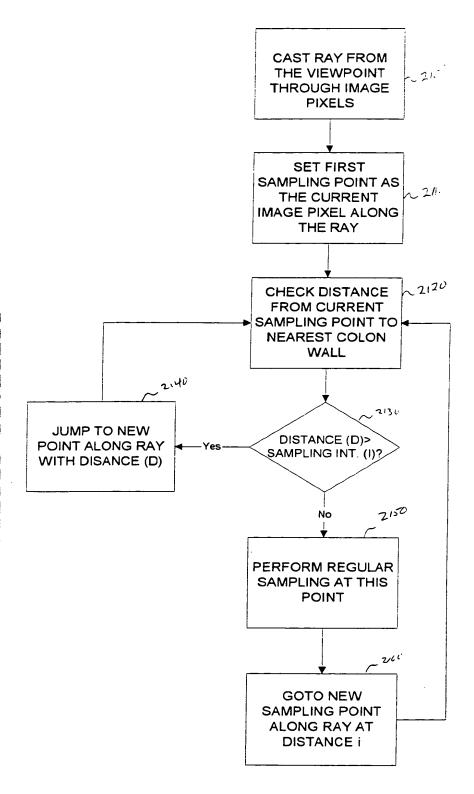
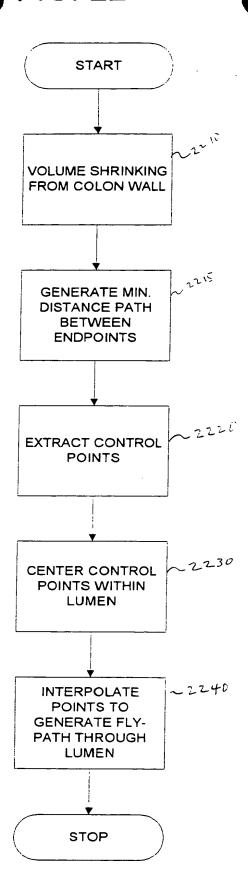
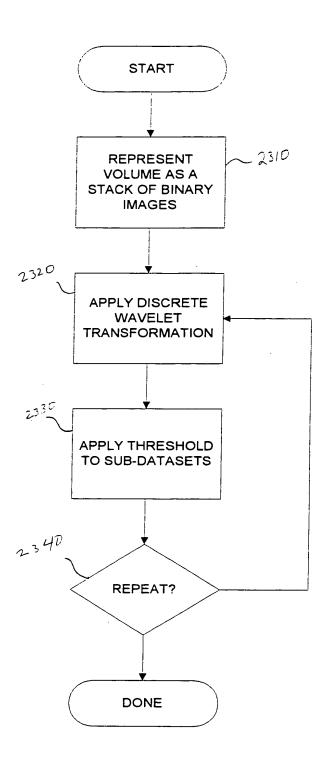
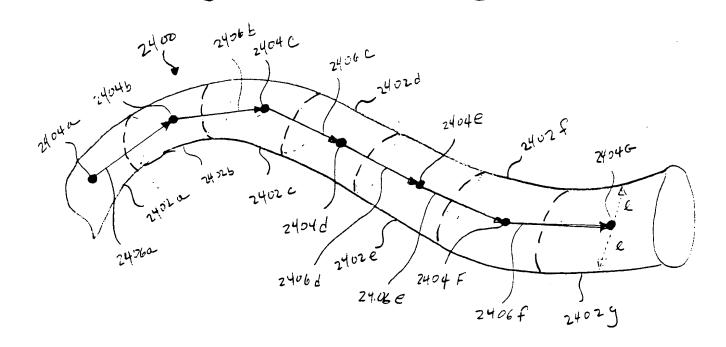
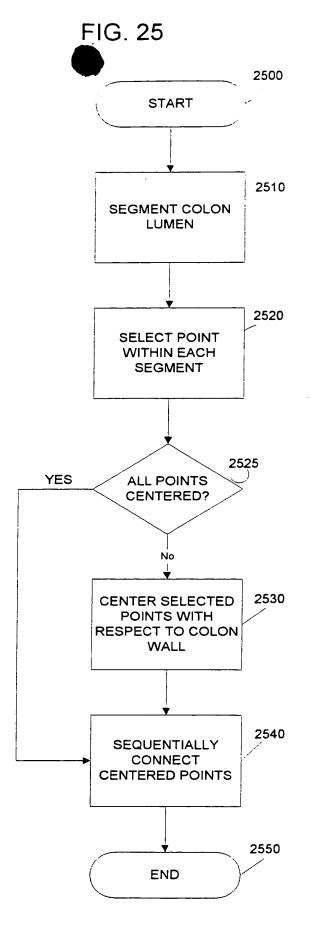


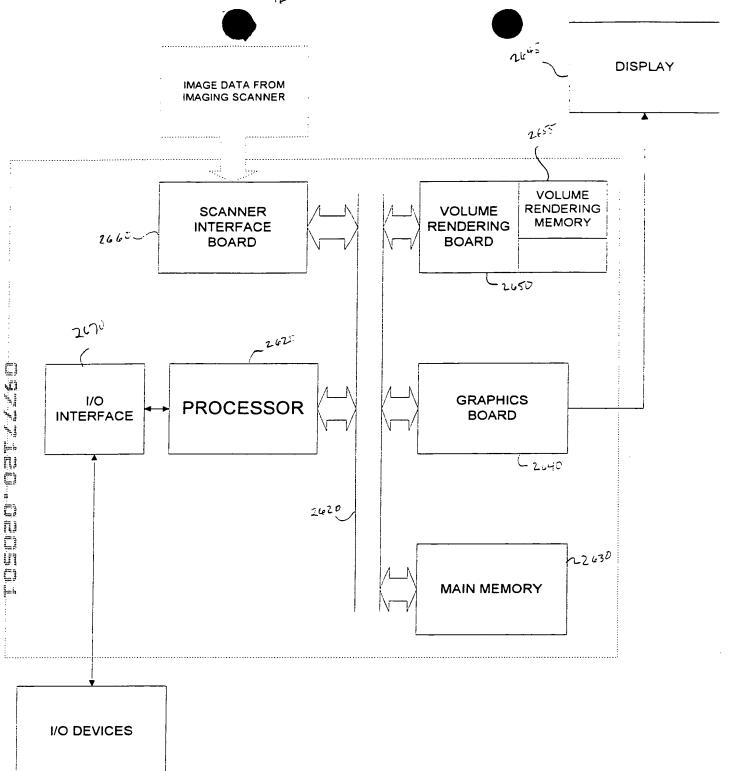
FIG. 22

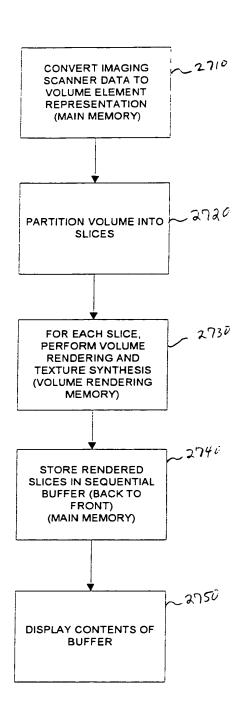




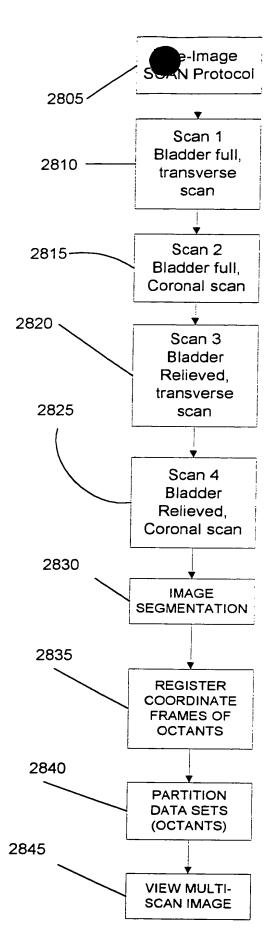




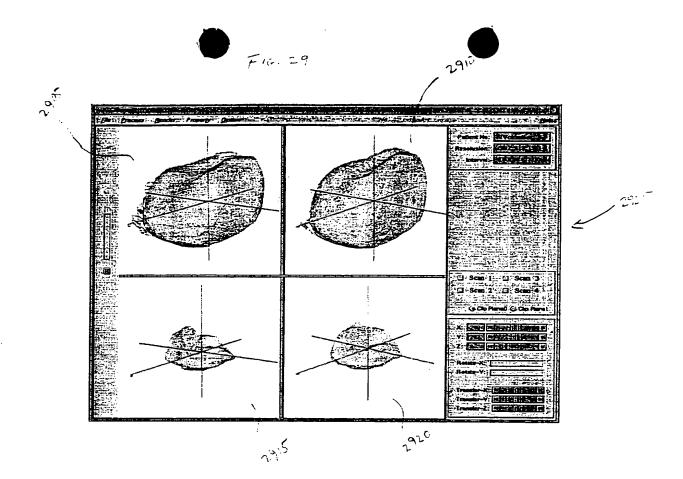


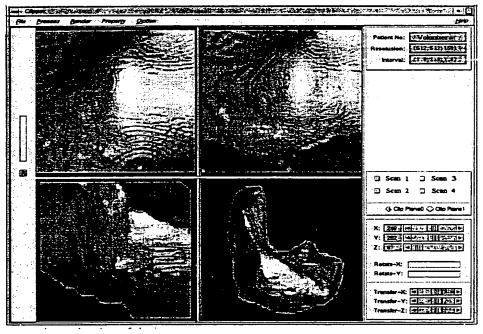


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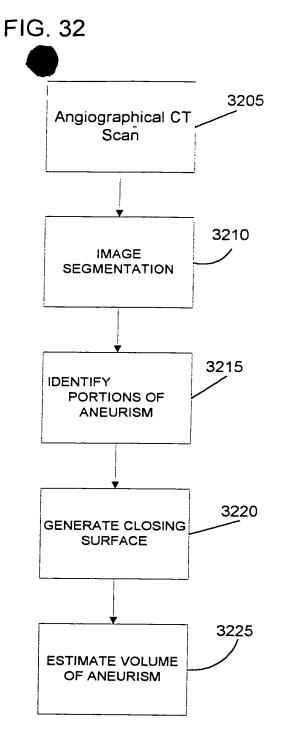
F16. 28

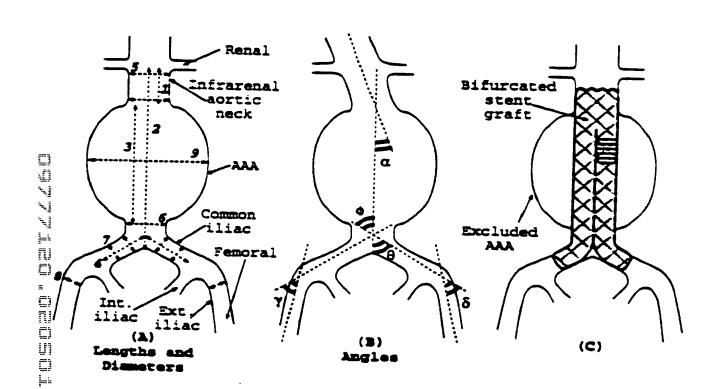


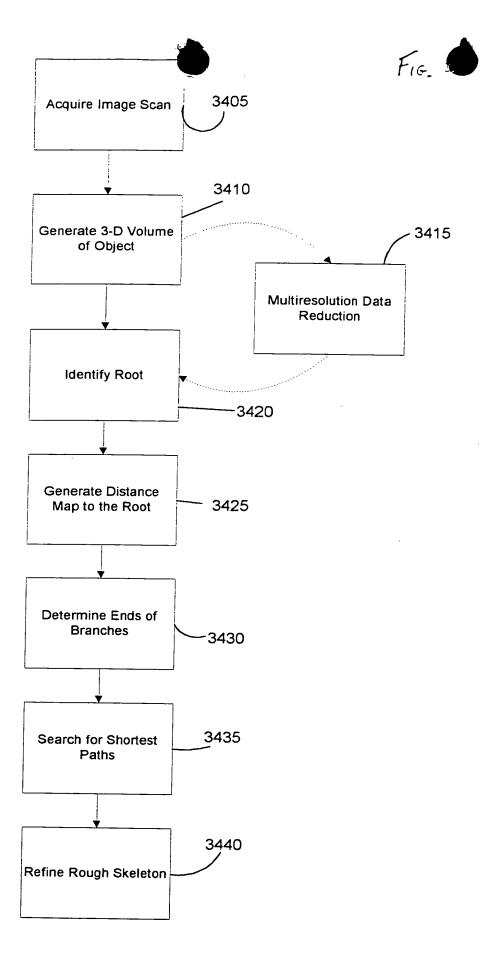


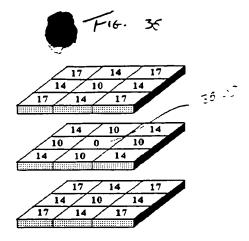
F19. 38

FIG. 31









F16. 36

```
1) Label root voxel with integer 0;
```

2) Construct a queue and line up the root in the queue;

```
3) If (There is at least one voxel in the queue )
     Serve the voxel x on the top of the queue:
     For (each of x's 26-connected neighbor voxel y) {
         If (y in the volume and has not been labeled yet) {
             Line up the y in the queue;
             /* label the voxel y */
             Set dist = 999999;
             For( each of y's 26-connected neighbor voxel z ) {
                If (z) in the volume and has been already labeled with an integer of n_z ) {
                     d_z \equiv n_z + d(y, z);
                     where d(y,z) is 10, 14 or 17 if the Euclidean distance between y and z is
                     1, \sqrt{2}, or \sqrt{3}, respectively;
               If (dist > d_z)
                   label y with integer dist;
                   dist = d_z;
           }
       }
    x leaves the queue;
Else {
    end of calculating the distance map.
```